

AMENDMENTS TO THE CLAIMS

1. (currently amended) A docking station for a mobile computer, comprising:
a dock housing coupled to a desktop display and including a primary bus; and
an extended bridge comprising:
a first side ~~having~~ including an end connected to the primary bus of the dock housing;
a second side ~~having~~ including an end connected to a secondary bus for connecting to the mobile computer; and
a device that implements a serial conversion of one of a peripheral component interconnect (PCI)-to PCI and a Micro Channel communication between the primary bus and the secondary bus; and
a docking sleeve attached to the dock housing,
wherein the mobile computer is slidably fitted into the docking sleeve to effect a communication between the primary bus and the secondary bus.
2. (currently amended) The station according to claim 1, wherein said extended bridge comprises a serial bridge, in which another end of said first side and another end of said second side are each connected ~~by~~ to a parallel connector.
3. (previously presented) The station according to claim 1, wherein said extended bridge comprises a serial bridge that implements a serial communications layer.
4. (currently amended) The station according to claim 1, wherein the second side of said ~~separated~~ extended bridge is connected to one of said secondary bus and a bus extension.
5. (previously presented) The station according to claim 3, wherein said extended bridge further comprises a converter for converting parallel bus data into a serial stream and back for the

serial communications layer.

6. (original) The station according to claim 3, wherein the serial stream is supported on no more than four wires.
7. (previously presented) The station according to claim 5, wherein the serial stream is supported on four wires.
8. (currently amended) A communication system, comprising:
 - a mobile computer including an input/output (I/O) bus and a graphics adapter;
 - a desktop display panel coupled to said mobile computer;
 - a pointing device for providing inputs for display on said desktop display panel;
 - a ~~dock~~ docking sleeve that connects with the mobile computer ~~by connecting to and connects~~ the I/O bus to drive the graphics adapter and the desktop display panel, and that connects with the pointing device~~[[,]]~~; ~~and wherein the dock comprises~~
 - an extended bridge~~, said extended bridge~~ comprising:
 - a first side ~~having including~~ an end connected to a ~~primary docking sleeve~~ bus of the ~~dock~~ and a second side ~~having including~~ an end connected to the I/O bus of the mobile computer; and
 - a device that implements a serial conversion of one of a peripheral component interconnect (PCI)-to PCI and a Micro Channel communication between the docking sleeve bus and the I/O bus,
 - wherein the mobile computer is slidably fitted into the docking sleeve to effect a communication between the docking sleeve bus and the I/O bus, and
 - ~~wherein~~ computing power is provided by the mobile computer with access to data from the mobile computer.
9. (previously presented) The system according to claim 8, wherein said extended bridge

implements one of a serial communications layer and a parallel communications layer.

10. (currently amended) A computer system, comprising:

a mobile computer;

a docking station ~~for receiving~~ including a docking sleeve into which said mobile computer slidably fits;

an extended bridge comprising:

a first side ~~having~~ including an end connected to a primary bus of the docking station;

a second side ~~having~~ including an end connected to a secondary bus for connecting to the mobile computer; and

a device that implements a serial conversion of one of a peripheral component interconnect (PCI)-to PCI and a Micro Channel communication between the primary bus and the secondary bus; and

a flat panel display disposed in said docking station, which is coupled to said mobile computer via said docking station sleeve.

~~an adapter of wherein~~ said mobile computer ~~using~~ includes one of a serial connector and a parallel connector to connect to another end of the first side and another end of the second side of the extended bridge.

11. (previously presented) The system according to claim 10, wherein said first side of the extended bridge is placed in the docking station and the second end is connected to said mobile computer.

12. (previously presented) The system according to claim 11, wherein said secondary bus includes adaptors for peripheral components including at least one of a high resolution graphics component and a disk drive.

13. (original) The system according to claim 10, wherein said docking station comprises a base of said flat panel display.
14. (currently amended) The system according to claim 12, ~~wherein said docking station includes a docking sleeve, and said mobile computer is slidably fitted into said docking sleeve and mates with the one of a serial connector and a parallel connector for the dock's secondary bus, and~~
wherein a base of the flat panel display is selectively connected to one of an input device and a pointing device, and a video adaptor of the display is connected to an input/output (I/O) bus and housed in the base.
15. (previously presented) The system according to claim 14, wherein said input/output (I/O) bus is disposed in said base, said base further comprising at least one of a compact disk (CD) drive and a digital video disk (DVD) drive coupled to said I/O bus in said base.
16. (original) The system according to claim 10, wherein dimensions of said docking station are selectively adjustable to accommodate a variety of different sized mobile computers.
17. (canceled)
18. (canceled)
19. (original) The system according to claim 14, wherein said base comprises a modular component of said display.
20. (previously presented) The system according to claim 10, further comprising:
a cooling fan disposed in said docking station.

21. (currently amended) The system according to ~~claim 10~~ claim 13, further comprising:
a cooling fan disposed in said base.
22. (previously presented) The docking station according to claim 1, further comprising:
a video adapter for said display, said video adapter being connected to an input/output (I/O) bus and housed in a base of said display.
23. (previously presented) The docking station according to claim 1, wherein said docking station further includes a base, wherein a portion of said docking station is mounted onto said base, and said base includes a peripheral device for storing an additional application and data for when said mobile computer is used in a desktop mode.
24. (previously presented) The docking station of claim 1, further comprising:
a graphics adapter connected to said docking station, wherein said graphics adapter receives display data from said mobile computer through said first bus and said second bus.
25. (previously presented) The communication system of claim 8, wherein said I/O bus, comprises:
a first bus coupled to said dock housing;
a second bus coupled to said mobile computer; and
an extended bridge that is coupled between said first bus and said second bus,
wherein said extended bridge separates said first bus and said second bus.
26. (previously presented) The communication system of claim 25, wherein one of said first and said second bus comprises a primary bus and the other of said first and said second bus comprises a secondary bus, and
wherein said extended bridge comprises a separated bridge such that a first side of the separated bridge is connected to said primary bus, and a second side of said separated bridge is

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connected to one of said secondary bus and a bus extension.